

**Amendments to the Abstract:**

Please replace entire page containing the Abstract with the following amended Abstract:

**ABSTRACT OF THE DISCLOSURE**

The invention relates to a membrane, in particular for use as an insulation layer for building walls and floors, a sandwich panel comprising a base body and a membrane which is disposed on the base body, to a method for the production of a membrane provided with a surface having a reflection degree more than 0.2 (20% reflection), in addition to a method for thermally insulating a building. In order to provide a membrane having a high resistance to thermal transmission and to improve the thermal insulation of a sandwich panel, the membrane has a surface which has a high degree of reflection and/or the sandwich plate is provided with a corresponding membrane. The invention also relates to a method for the production of a membrane reflecting infrared radiation, in addition to a method for the thermal insulation of a building, such that a film coated with metal, in particular vacuum-coated metal, runs towards a plastic web of material after extrusion and is subsequently subjected to the formation step of the membranes.